

Table 1

	left / right femur-force of driver	left / right femur-force of co-driver	belt-force of driver / co- driver	U <sub>H</sub>
Fiat Tipo®	15190 N	nR N	5620 / 6100 N	20 / 80°
Opel Corsa®	2258 / 2700	1381 / 2315	7030 / 7310	25 / 90
VW Polo®	2785	1587	5142 / 5655	45 / 70
Fiat Bravo®	3700	2300	nR / 6800	10 / 45
VW Golf®	2340	1630	6040 / 7050	50 / 50
MB C®	6858	2362	6015 / 6685	20 / 30
MB E200® ohne Airbag	1480	2140	8220 / 8380	/
VW Passat®	1600	2100	3400 / 4700	20 / 40
AUDI A6®	700 / 1200	1500 / 1100	6900 / 8400	25 / 50
Opel Omega®	2750	2180	6580 / 6160	nR / 40
BMW 528i®	1400 / 1200	900 / 1300	3600 / 3400	10 / 30
MB E320®	2200 / 1700	1200 / 900	3000 / 3800	5 / 30
AUDI A8®	2360	2610	9130 / 8510	40 / 50
BMW Z3®	1300 / 1400	1300 / 900	8300 / 4400	0 / 10
MB SLK®	5100 / 1700	800 / 4400	3300 / 3700	0 / 40
FB	nR / 8300	2733 / 3980	6144 / 5415	5 / 85
Renault Espace®	2037 / 11206	1323 / 1418	6829 / 7885	5 / 90
Opel Sintra®	4100	4700	5300 / 6400	60 / 30
VW Sharan®	2300	2600	6500 / 5700	35 / 70

FB = Peugeot 806®, Citroen Evasion®, Fiat Ulysse®, Lancia Zeta®

nR = no result

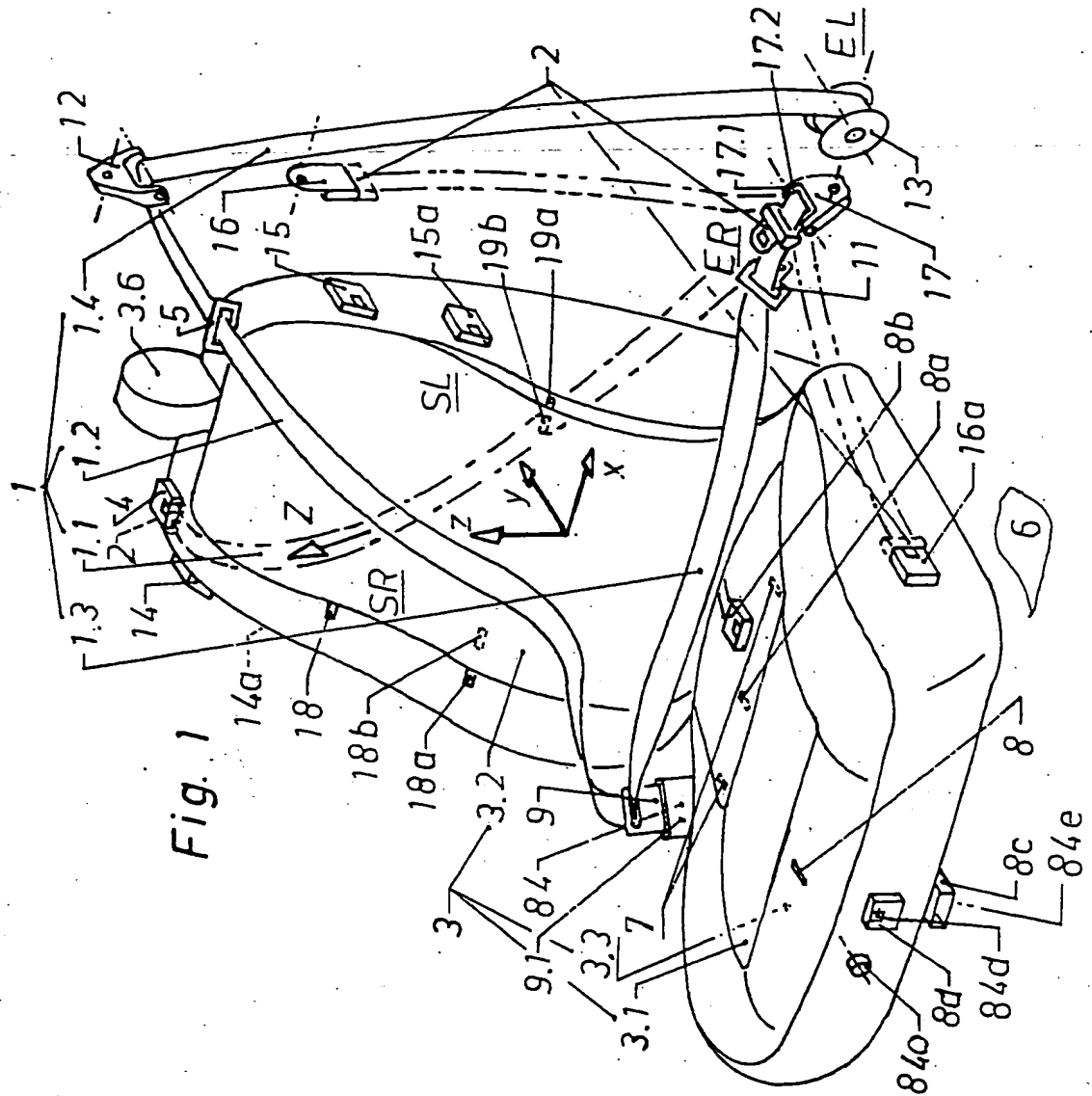
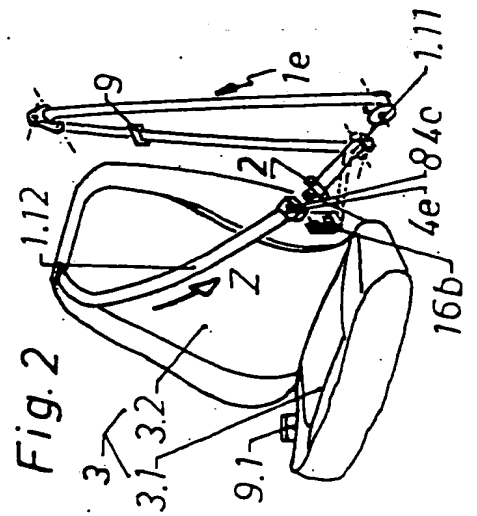
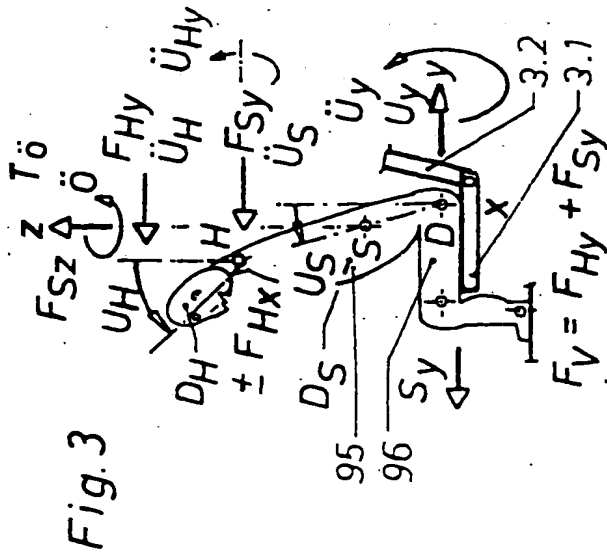
Table 2

	yaw O of driver / co-driver
BMW Z3®	85 / 90°
MB SLK®	100 / nR

Table 3

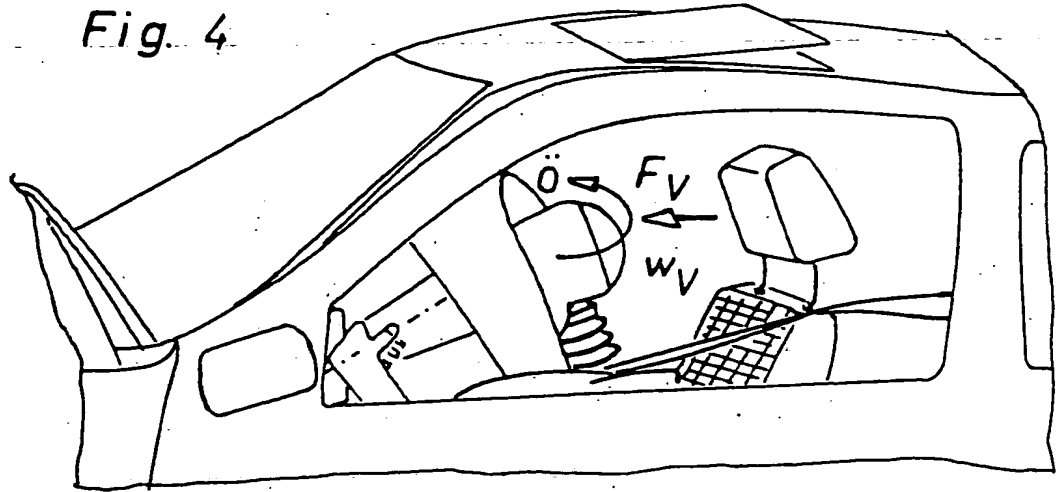
	force of head	acceleration of head	acceleration of chest	force of neck	forward motion
child-seat	696 HIC	65 g	59 g	1516 N	552 mm
AUDI A4®	392	49	45		
MB E320®	229	38	40		
child-seat to MB E320®	304 %	171 %	148 %		

Prior Art



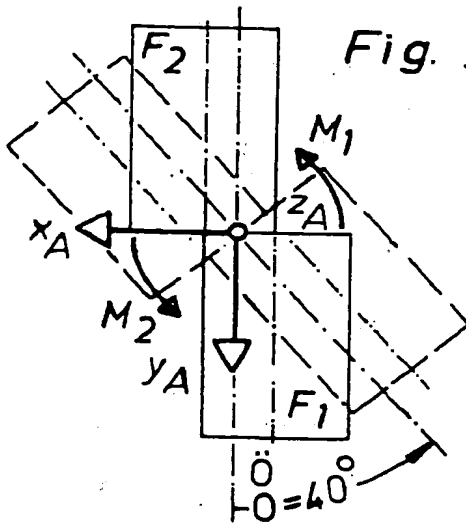
Prior Art

Fig. 4



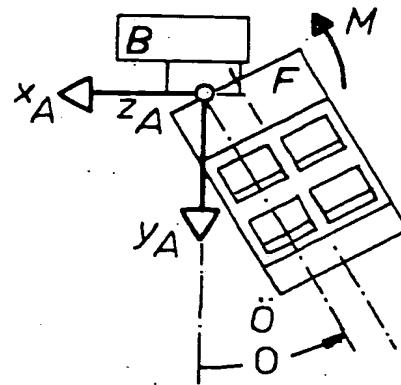
Prior Art

Fig. 5



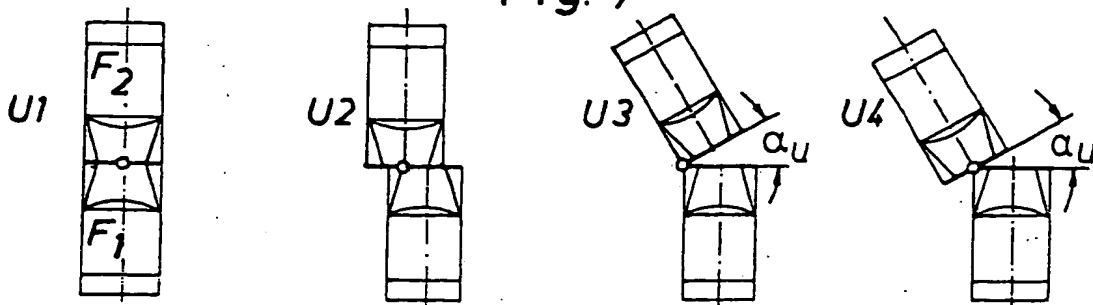
Prior Art

Fig. 6

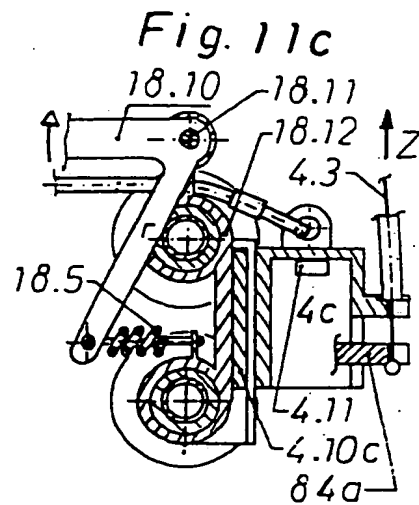
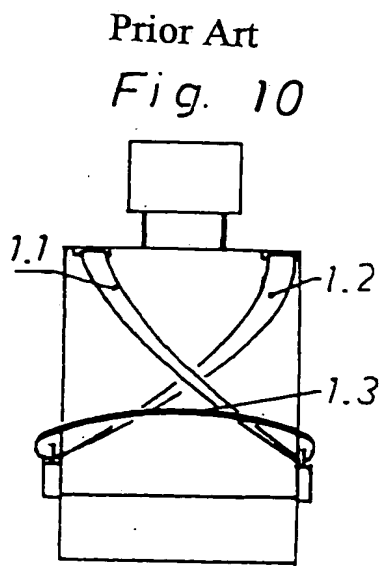
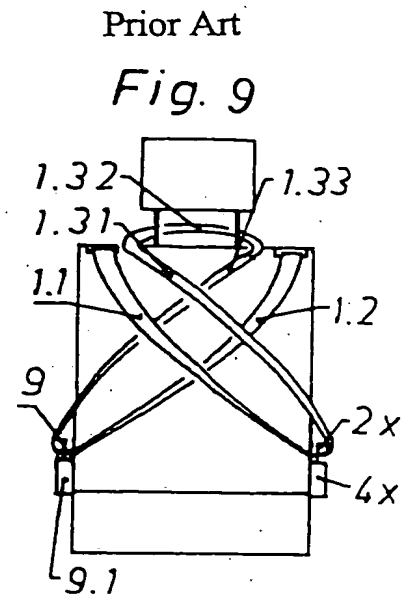
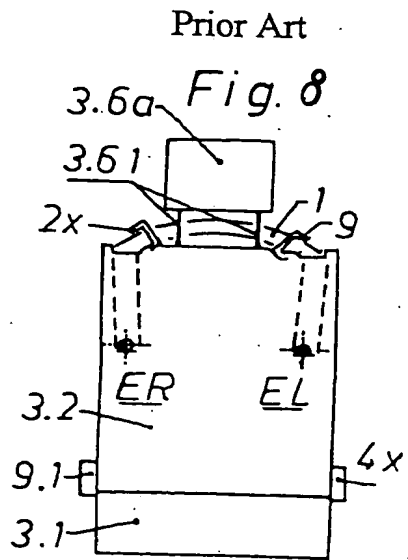


Prior Art

Fig. 7



Prior Art





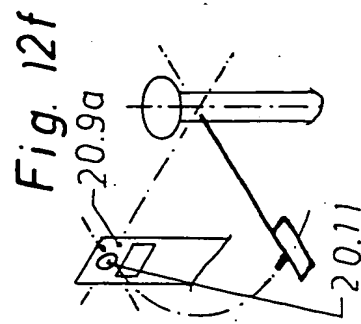
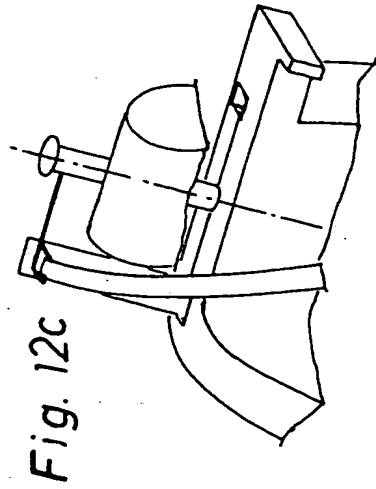
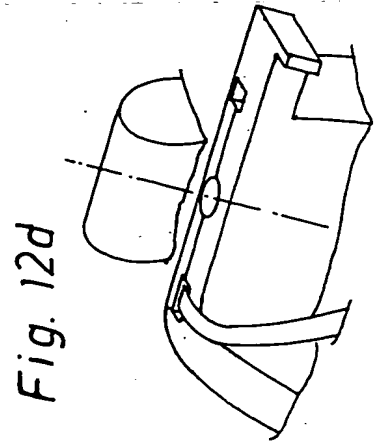
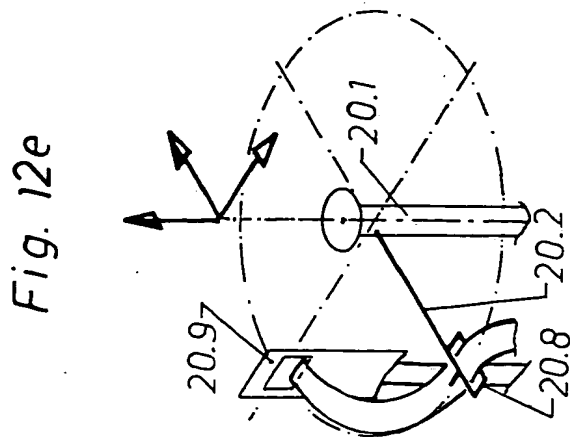
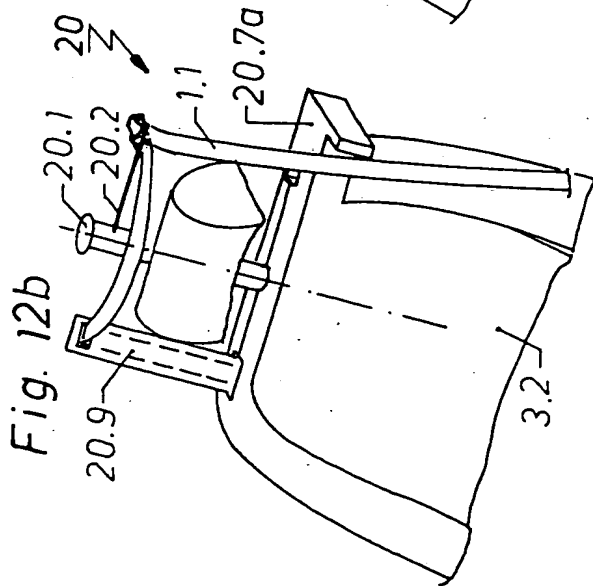
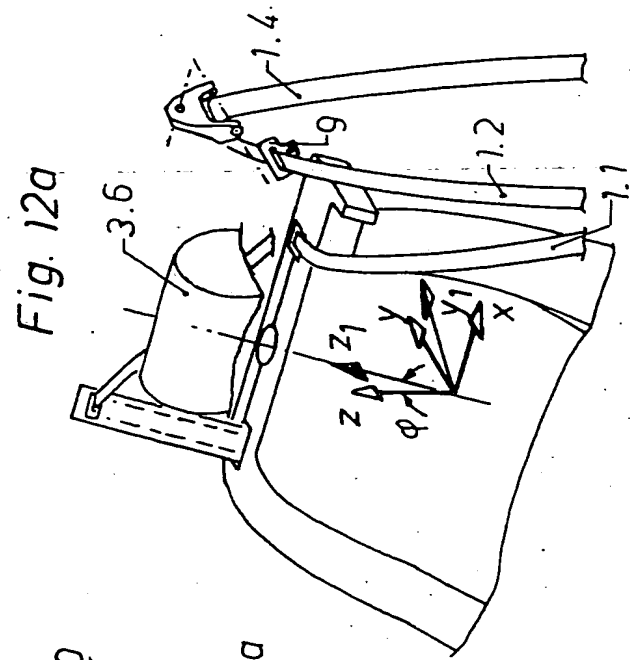


Fig. 13

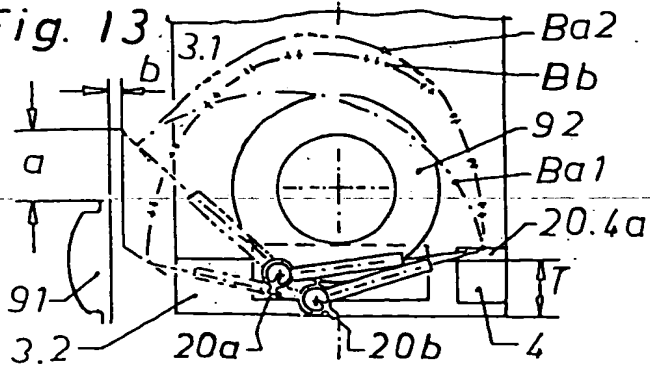


Fig. 14

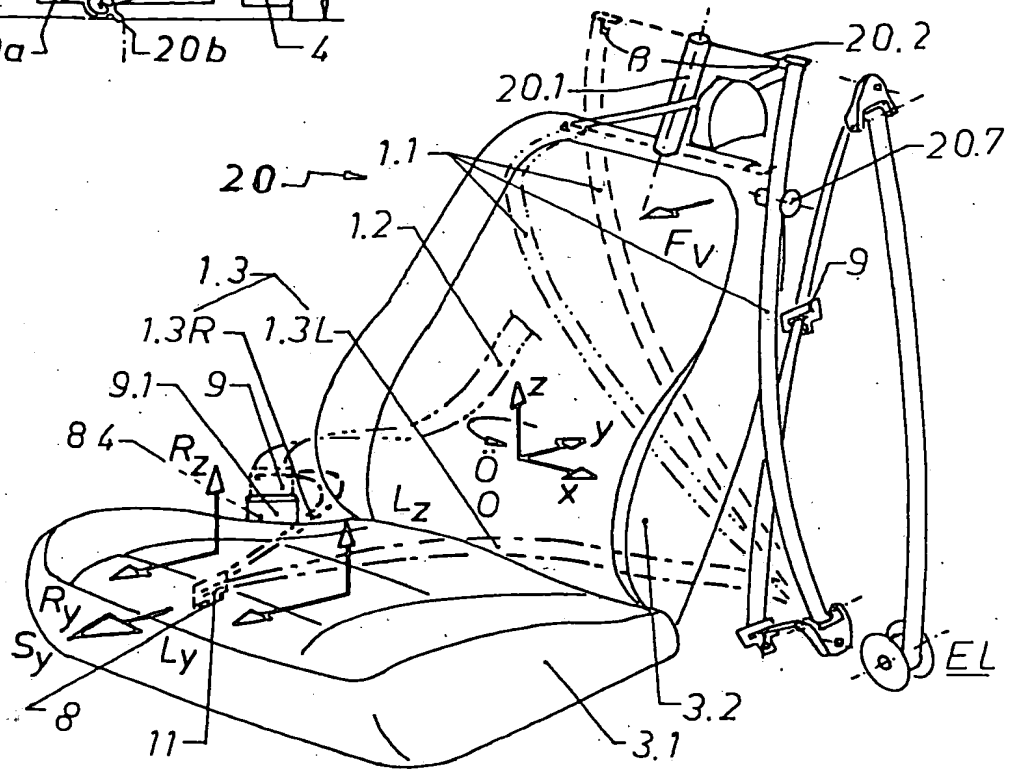


Fig. 15

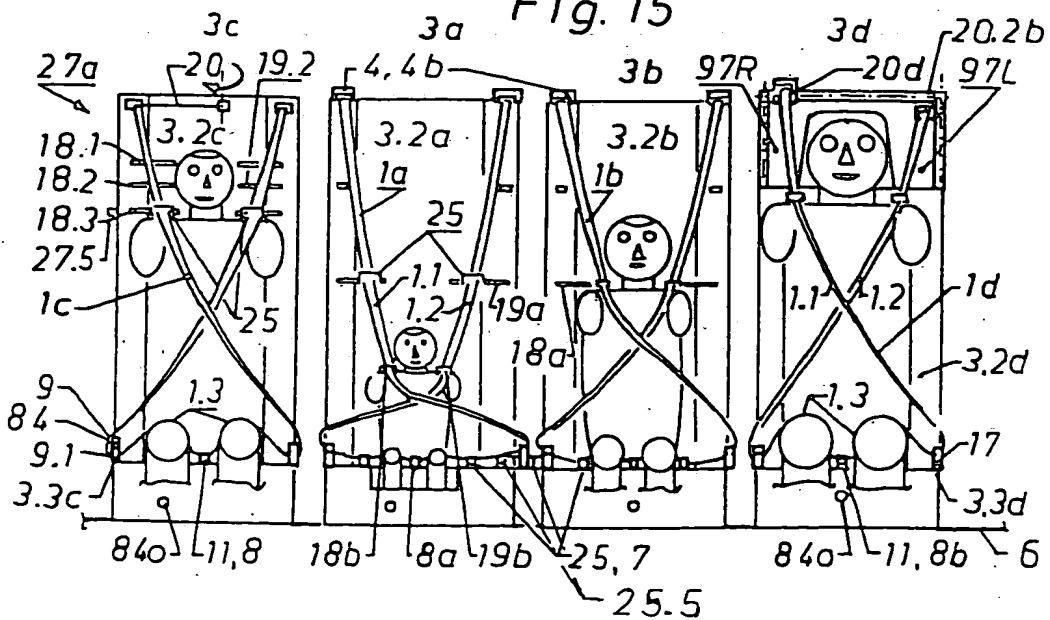


Fig. 16

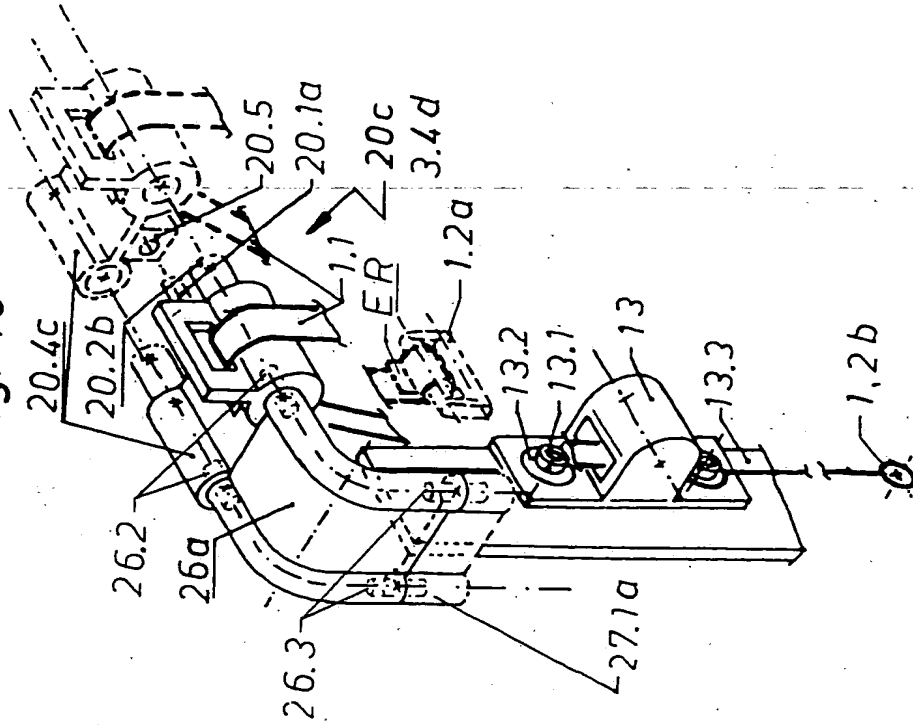


Fig. 17

